

## CLAIMS

## 1. An information recorder comprising:

means for extracting predetermined standard-defined meta data buried in material signals to be recorded to a replaceable recording medium; and

means for writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the writing/reading means writing the meta data extracted by the extracting means to the contactless information storage means.

## 2. The apparatus according to claim 1, further comprising:

means for holding the extracted meta data; and

an arranging means for putting the held meta data into a predetermined data format;

the meta data put in the predetermined data format being written to the contactless information storage means by the writing/reading means.

## 3. The apparatus according to claim 1, further comprising:

means for holding the extracted meta data; and

means for taking out only desired ones from the held meta data;

the desired meta data thus taken out being written to the contactless information storage means by the writing/reading means.

4. An information recording method comprising steps of:  
extracting predetermined standard-defined meta data buried in material signals  
to be recorded to a replaceable recording medium; and  
writing/reading information to/from a contactless information storage means  
appended to or incorporated in the replaceable recording medium and which is  
operative responsively to an electromagnetic field to send or receive information in a  
contactless manner to or from outside via the electromagnetic field;  
the extracted meta data being written to the contactless information storage  
means.
5. The method according to claim 4, further comprising steps of:  
holding the extracted meta data; and  
putting the held meta data into a predetermined data format;  
the meta data put in the predetermined data format being written to the  
contactless information storage means.
6. The method according to claim 4, further comprising steps of:  
holding the extracted meta data; and  
taking out only desired ones from the held meta data;  
the desired meta data thus taken out being written to the contactless information  
storage means.
7. An information recorder comprising:  
means for generating, from material signals to be recorded to a replaceable

recording medium, meta data associated with the material signals; and

means for writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the writing/reading means writing the generated meta data to the contactless information storage means.

8. The apparatus according to claim 7, further comprising:

an arranging means for putting the generated meta data into a predetermined data format;

the meta data put in the predetermined data format being written to the contactless information storage means by the writing/reading means.

9. An information recording method comprising steps of:

generating, from material signals to be recorded to a replaceable recording medium, meta data associated with the material signals; and

writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;

the generated meta data being written to the contactless information storage means.

10. The method according to claim 9, further comprising a step of:  
putting the generated meta data into a predetermined data format;  
the meta data put in the predetermined data format being written to the contactless information storage means.
11. An information recording system comprising:  
means for writing/reading information to/from a contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field;  
an information recorder for writing, to the contactless information storage means by means of the writing/reading means, predetermined standard-defined meta data extracted from material signals to be recorded to the recording medium or meta data generated from information other than the material signals written to the recording medium; and  
a meta data storage unit for storing the meta data read from the contactless information storage means appended to or incorporated in each of a plurality of recording mediums.
12. An information recording method comprising steps of:  
writing predetermined standard-defined meta data extracted from material signals to be recorded to a replaceable recording medium or meta data generated from information other than the material signals written to the recording medium to a

contactless information storage means appended to or incorporated in the replaceable recording medium and which is operative responsively to an electromagnetic field to send or receive information in a contactless manner to or from outside via the electromagnetic field; and

storing the meta data read from the contactless information storage means appended to or incorporated in each of a plurality of recording mediums.